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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/713,615	11/15/2000	Yuji Ayatsuka	112857-264	3858
29175	7590	03/26/2004	EXAMINER	
BELL, BOYD & LLOYD, LLC P. O. BOX 1135 CHICAGO, IL 60690-1135			KIANERSI, MITRA	
			ART UNIT	PAPER NUMBER
			2143	

DATE MAILED: 03/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/713,615

Applicant(s)

AYATSUKA ET AL.

Examiner

mitra kianersi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. p11-327670.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-20 and 22-35 and 37 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakashima (US. Patent No. 5,729,251)

1. As per claim 1, a portable information processing terminal adapted to be connected to one or more than one targets by way of a network, terminal comprising: an imaging means for imaging visible identification information possessed by the targets: (a target device is designated after the reading of the image information, whereupon the image information is stored and displayed as information associated with an image file on the personal computer PC, col 1, lines 24-27) an identification means for identifying the targets on the basis of the identification information imaged by said imaging means; and from the image appeared on the display screen as required. (the operator can identify the completion of the transmission of data, col 20, lines 19-25)
a connection means for establishing connection between itself and the targets identified by identification means. (corresponds to the information processing device T1 is connected to another information processing section 28 through a network or the like, col 11, lines 15-21).
2. As per claim 2, the portable information-processing terminal, further comprising: an image confirmation means for confirming the images of the targets including said identification information. (there is a conventional information processing system which

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stores and displays image information corresponding to image files registered in a personal computer, col 1, lines 6-8)

3. As per claim 3, an information input/output system comprising:

a user terminal to be used by a user; (User's operating procedures for transferring information in an information processing system, col 1, lines 11-12) one or more than one targets connected to said user terminal in a format adapted to transfer of information and including visible identification information; an identification means for an identifying the targets on the basis of the identification information imaged by said imaging means; (it is possible to transfer various types of information between an information processing system with a display section which carries out various types of information processing, col 1, lines 32-37)

a connection means for establishing connection between the user terminal and the targets identified by identification means from the image appeared on the display screen as required. (The operator can identify the completion of the transmission of data col 20, lines 19-25)

4. As per claims 4 and 24, the information input/output system comprising:
an image confirmation means for confirming the images of the targets including identification information. (there is a conventional information processing system which stores and displays image information corresponding to image files registered in a personal computer, col 1, lines 6-8).

5. As per claim 5, the information input/output system, wherein imaging means is provided integrally in said user terminal. (FIG. 45 is a schematic representation illustrating one element of a relative angle of rotation of the wireless coordinate indicator S3 with respect to the display screen, that is, the range in which the operator's forefinger is positioned) and (It is possible to reduce the expected maximum rotational angle. θ . by providing the user with an operation instruction reading "Place the forefinger nearby the thumb when you do not press a control button", col 34, lines 7-14)

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6. As per claim 6, the information input/output system, wherein imaging means is connected to said user terminal by way of a cable. (coded information transmission using a conventional coordinate indicator is, col 3, line 7)

7. As per claim 7, the information input/output system, wherein imaging means is connected to said user terminal by way of a network. (this information processing device T1 is connected to another information processing section 28 through a network or the like col 11, lines 15-21)

8. As per claims 8 and 25, the information input/output system, wherein user terminal is connected to said targets by way of a network; (this information processing device T1 is connected to another information processing section 28 through a network or the like. col 11, lines 15-21) targets have respective network addresses; (identification information associated with the previously mentioned coordinate indication but indefinite coded information, col 2, lines 1-2) information input/output system further comprising a data base means for controlling the correspondence between the identification information of each target and its network address; and connection means being adapted to connect the user terminal and the targets by referring to said data base means for the network address of each target corresponding to the identification information. (information control means for controlling an object to be processed and coded information associated with the object; col 6, lines 9-13)

9. As per claims 9 and 26, the information input/output system, wherein connection means sustains the connection between the targets and user terminal as long as the imaging means is imaging the targets or their identification information. (One screen is displayed as a result of the continuation of this operation, col 44, lines 29-31)

10. As per claim 10, the information input/output system, wherein user terminal includes a display screen; and the images taken by imaging means is displayed on display screen. (One screen is displayed as a result of the continuation of this operation. col 44, lines 29-31)

11. As per claim 11, the information input/output system, wherein user terminal includes a display screen; the images taken by said imaging means is displayed on display screen; (One screen is displayed as a result of the continuation of this operation. col 44, lines 29-31) and said connection means sustains the connection between the targets and user terminal as long as the targets identified by identification means are displayed on said display screen. (One screen is displayed as a result of the continuation of this operation. col 44, lines 29-31)
12. As per claim 12 and 27, the information input/output system, wherein user terminal includes a display screen; the images taken by imaging means is displayed on display screen; and images of the targets taken by imaging means is held on display screen as long as connection means sustains the connection between the targets and user terminal. (corresponds to document information held in this window W4 is copied to the wireless coordinate indicator, col 41, lines 21-41) and (see Fig.61)
13. As per claim 13, the information input/output system, wherein user terminal includes a display screen; the images taken by imaging means is displayed on display screen; and images of the targets taken by imaging means is held on display screen as long as connection means sustains the connection between the targets and user terminal. (document information held in this window W4 is copied to the wireless coordinate indicator, col 41, lines 21-41) and (see Fig.61)
14. As per claim 14 and 28, the information input/output system, wherein user terminal has a storage mean for storing the taken images of targets identified by identification means;(an information controller for storing detected positional information and the extracted coded information by associating the information items with each other, Abstract) and an information processing device for carrying out predetermined processing and connection means establishes connection between user terminal and relevant taken targets in response to the display of image on display screen. (One

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screen is displayed as a result of the continuation of these operation. col 44, lines 29-31)

15. As per claim 15 and 29 and 30, the information input/output system wherein user terminal has a storage means for storing the taken images of said targets identified by identification means; (an information controller for storing detected positional information and the extracted coded information by associating the information items with each other, and an information processing device for carrying out predetermined processing. Abstract)

and all the taken images retrieved from storage means are displayed on the display screen and the connection means establishes connection between user terminal and relevant taken targets in response to the selection of said image from displayed images. (One screen is displayed as a result of the continuation of these operation. col 44, lines 29-31)

16. As per claim 16, 31 and 32, the information input/output system further comprising:

an application means for transferring predetermined data and/or commands between the user terminal and the targets being connected. (it is possible to transfer various types of information between an information processing system with a display section which carries out various types of information processing, col 34, lines 7-14)

17. As per claim 17, the information Input/output system wherein user has a display screen, and application means transfers the page being displayed on the display screen to a projector, or a target, as an image to be projected as long as connection means sustains the connection between the projector and the user terminal. (pressure sensitive coordinate indicator, a projection of a pressure sensing, col 38,lines 52-53)

18. As per claim 18 and 33, the information input/output system wherein user terminal has a keyboard or some other user input means; (corresponds to a type of a

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coordinate input device with a display which transmits information from the information processing device, col 2, lines 15-18) and

application means transfers the user input data input by using user input means as user input data on a computer system, or a target, as long as connection means sustains the connection between the computer system and the user terminal. (it is possible to transfer various types of information between an information processing system with a display section which carries out various types of information processing, col 34, lines 7-14)

19. As per claim 19 and 34, the information input/output system, wherein user has a display screen; and application means obtains the data to be shown from targets and display them on the display screen as long as connection means sustains the connection between targets including data to be shown and updated regularly or irregularly and the user terminal. (corresponds to the values of words are updated and output every predetermined period of time. The modulated display is terminated when a predetermined amount of output is produced, col 40, lines 35-41)

20. As per claim 20 and 35, the information input/output system wherein application means receives alarms from a target, or a device having a alarm feature and execute alarm on user terminal as long as connection means sustains the connection between the target and the user terminal. (sensor (a one-dimensional image sensor, col 49, line 50)

21. As per claim 22 and 37, the information input/output system wherein user has a display screen; and application means displays an image of operation for controlling remotely controllable targets on the display screen and transmit the user operation displayed on the display screen to the targets as long as connection means sustain the connection between the target and the user terminal. (information control means for controlling an object to be processed and coded information associated with the object; col 6, lines 9-13) display means for displaying the object at a predetermined position; col 6, lines 10-15)

22. Claim 23, has the same limitations as claim 1. Therefore, it is analyzed and rejected by the same rationale.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (703) 305-4650. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703) 308-5221. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mitra Kianersi
March/15/2004


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